

the sequence of SEQ ID NOS:4 or 6, or sequences 99% and 90% identical thereto.

Rejection of Claim 31 under 35 U.S.C. §112, second paragraph

The Examiner stated that the non-entered amendment to claim 31 would be sufficient to overcome the rejection if a clean version of said claim is included. Consistent with the Examiner's recommendation, Applicants attach herewith a Clean Version of the Claims.

Rejection of Claims 30 and 32 under 35 U.S.C. §112, first paragraph

The Examiner rejected claims 30 and 32 under 35 U.S.C. § 112, first paragraph, for asserted lack of written description, specifically with reference to the description of an isolated polypeptide comprising an amino acid sequence that is 99% identical (claim 30) and 90% identical (claim 32) to the amino acid sequence of SEQ ID NO:4 or SEQ ID NO:6. Applicants have cancelled claims 30 and 32. Thus, Applicants respectfully submit that the Examiner's rejection is moot to claims 30 and 32, and respectfully request withdrawal of the rejection.

CONCLUSION

On the basis of the foregoing amendments and remarks, Applicants respectfully submit that the pending claims are in condition for allowance, and a Notice of Allowance is respectfully requested as soon as possible. If there are any questions regarding these amendments and remarks, or if further discussion would expedite allowance of the claims, the Examiner is encouraged to contact the undersigned at the telephone number provided below.

Respectfully submitted,

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Boyle, et al.

U.S. Application No. 09/545,283

Appendix A: marked up version showing the changes made in the claims

In the Claims:

Please cancel claims 30 and 32, and amend claim 31, as follows:

31. (Amended) An isolated polypeptide encoded by [the]a polynucleotide comprising the sequence of SEQ ID NO:3.

Application No. 09/545,283

Applicant(s): Boyle et al.

Title: Methods and Materials Relating to Novel C-type Lectin Receptor-like Polypeptides and Polynucleotides

Corrected Version of the Drawings

Application No. 09/545,283

Applicant(s): Boyle et al.

Title: Methods and Materials Relating to Novel C-type Lectin Receptor-like Polypeptides and Polynucleotides

BLASTP ALIGNMENT OF C-TYPE LECTIN RECEPTOR-LIKE WITH MOUSE MACROPHAGE C-TYPE LECTIN

Score = 412 (145.0 bits), Expect = 1.2e-37, P = 1.2e-37

Identities = 85/215 (39%), Positives = 119/215 (55%), Frame = +1

SEQ ID NO. 4 5-55 EEPQDREKGLWFLKVNMAVSVILLVSVCFVSSVVPNFMYSKTVKRLSKLREYQQY 234 64
C-Type Lectin Receptor-Like:

EE Q + KG QL AAVSI LS CF + +V H++ T + KL +Y

Macrophage C-Type Lectin: 4 EESQMKSGTRHPQLIPCFVAVVSIISFLSACFISTCLVTHHYFLRWTRGSVVKLSDY--- 60

SEQ ID NO. 4 65-235 HSSLTCVME----GKDIEDWSCCPTPTWTSFQSSCYFISTGMQSWTKSQKNCVSMGADLV 402 120
C-Type Lectin Receptor-Like:

H+ +TC+ E G W+CCP W +FQS+CYF Q+W +S++NCS M + LV

Macrophage C-Type Lectin: 61 HTRVTCIREEPQPGATGGTTCPCVSWRAFQSNQCYFPLNDNQTWHESENCSGMSSHLVT 120

SEQ ID NO. 4 121-403 INTTEEHDFIIHNLKRNSSYFLGLSHPRGRRHQWVDHTPYNENVTFWHSGEPPN-LDER 579 179
C-Type Lectin Receptor-Like:

INT E +F+ L + SYFLGL+ WQWVD TP+N + FW GE N+ ++E

Macrophage C-Type Lectin: 121 INTEAEQNFVTQLLDKRFSYFLGLADENVEGQWQWVDKTPPNPHTVFWKEGESNDFMEED 180

SEQ ID NO. 4 180-580 CAIINFRSSQEWGWNIDHCHVPHKSCICEMKKIYIMKYS 696 218
C-Type Lectin Receptor-Like:

C ++ ++W WND CH + IC++ I K S

Macrophage C-Type Lectin: 181 CVVL-VHVHEKVVWVNDFFPCHFEVRRICKLPGITFNWKPS 218

FIG. 1 (corrected)

Application No. 09/545,283

Applicant(s): Boyle et al.

Title: Methods and Materials Relating to Novel C-type Lectin Receptor-like Polypeptides and Polynucleotides

BLASTP ALIGNMENT OF C-TYPE LECTIN RECEPTOR-LIKE WITH DENDRITIC CELL IMMUNORECEPTOR

Score = 529 (186.2 bits), Expect = 4.8e-50, P = 4.8e-50

Identities = 93/188 (49%), Positives = 130/188 (69%), Frame = +1

SEQ ID NO. 4 20448 VVSILLLSVCFTVSSVPHFMYSKTVKRLSKLREYQQYHSSLTCVMEGKDIED--WSCC 29183
C-Type Lectin Receptor-Like: ++ LLL++ F ++ V+ + K + L K + H++L CV + +E+ WSCC

Dendritic Cell Immunoreceptor: 51 LIFFLLLAISFFIAFVI-----FFQYSQLEKKTKELVHTTLECVKKNMPVEETAWSCC 106

SEQ ID NO. 4 84292 PTPWTSFQSSCYFISTGMQSWTKSQKNCVSGADLVVINTTEEHDFIIHNLKRNSSYFLG 471143
C-Type Lectin Receptor-Like: P W SF S+CYFIST SW S+K+C+ M A L+VINT EE DFI NL+ S+YF+G

Dendritic Cell Immunoreceptor: 107 PKNWKSFSNCCYFISTESASWQDSEKDCARMEAHLLVINTQEEQDFIFQNLQESAYFVG 166

SEQ ID NO. 4 144472 LSHPRGRHWQWVDHTPYNENVTFWHSGEPPNLDERCAIINFRSS-QEWGWNDIHCHVPH 648202
C-Type Lectin Receptor-Like: LS P G+RHWQWVD TPYNE+ TFWH EP++ +ERC ++NFR S + WGNND++C P

Dendritic Cell Immunoreceptor: 167 LSDPEGQRHWQWVDQTPYNESSTFWHPREPSPDPNERCVVLNFRKSPKRWGWNVDVNCGLGPQ 226

SEQ ID NO. 4 203649 KSICEMKKIYI 684213
C-Type Lectin Receptor-Like: +S+CEM KI++

Dendritic Cell Immunoreceptor: 227 RSVCEMMKIHL 237

FIG. 2 (corrected)

Application No. 09/545,283

Applicant(s): Boyle et al.

Title: Methods and Materials Relating to Novel C-type Lectin Receptor-like Polypeptides and Polynucleotides

BLASTP ALIGNMENT OF C-TYPE LECTIN RECEPTOR-LIKE WITH C-TYPE LECTIN DDB27

Score = 529 (186.2 bits), Expect = 4.8e-50, P = 4.8e-50

Identities = 93/188 (49%), Positives = 130/188 (69%), Frame = +1

SEQ ID NO. 4
C-Type Lectin Receptor-Like: 26448 VVSILLVSVCTVSSVPHFMYSKTVKRLSKLREYQQYHSSLTCVMEGKDIED--WSCC 29453

++ LLL++ F ++ V+ + K + L K + H++L CV + +E+ WSCC

DDB27: 51 LIFFLLLAISFFIAFVI-----FFQYSQLLEKKTKKELVHTTLECVKKNMPVEETAWSCC 106

SEQ ID NO. 4
C-Type Lectin Receptor-Like: 84 292 PTPWTSFQSSCYFISTGMQSWTKSQKNCVSGADLVVINTTEEHDFIIHNLKRNSSYFLG 471 143

P W SF S+CYFIST SW S+K+C+ M A L+VINT EE DFI NL+ S+YF+G

DDB27: 107 PKNWKSFSNCCYFISTESASWQDSEKDCARMEAHLLVINTQEEQDFIFQNLQEEASAYFVG 166

SEQ ID NO. 4
C-Type Lectin Receptor-Like: 144 472 LSHPRGRRHQWVDHTPYNENVTFWHSGEPNLDERCAINFRSS-QEWGWNDIHCHVPH 648 202

LS P G+RHHQWVD TPYNE+ TFWH EP++ +ERC ++NFR S + WGMND++C P

DDB27: 167 LSDPEGQRHHQWVDQTPYNESSTFWHPREPSDPNERCVVNLNFRKSPKRWGMNDVNCGLGPQ 226

SEQ ID NO. 4
C-Type Lectin Receptor-Like: 203649 KSICEMKKIYI 684213

+S+CEM KI++

DDB27: 227 RSVCEMMKIHL 237

FIG. 3 (corrected)

Application No. 09/545,283

Applicant(s): Boyle et al.

Title: Methods and Materials Relating to Novel C-type Lectin Receptor-like Polypeptides and Polynucleotides

BLASTP ALIGNMENT OF C-TYPE (CALCIUM DEPENDENT, CARBOHYDRATE RECOGNITION DOMAIN) LECTIN RECEPTOR-LIKE, SUPERFAMILY MEMBER 6

Score = 448 (157.7 bits), Expect = 1.8e-41, P = 1.8e-41

Identities = 92/209 (44%), Positives = 130/209 (62%), Frame = +1

SEQ ID NO. 4
C-Type Lectin Receptor-Like:
349 PEEEP-QD-REKGLWFWQKVMAMVSVLLLSVCFTVSSVPHFMYSKTVKRLSKLRE 222-60
P E+P +D R+ G L + S+ ++ +LLL++ F V+ ++ YS+ ++ +
Mouse C-Type:
29 PREKPIRDLRKPGSP--SLLLTSLMLL-LLLLAITFLVAFIIFQ-KYSQLLLEKKAANK 84

SEQ ID NO. 4
C-Type Lectin Receptor-Like:
121 223 YQQYHSSLTVMEGKDIED--WSCCPTPTWTSFQSSCYFIST--GMQSWTKSQKNCVSGA 390-116
H+ L C +ED WSCCP W F S CY + T SW KS++NCS MGA
Mouse C-Type:
85 IM--HNELNCTKVS PMEDKVMSCCPKDWRLFGSHCYLVPTVSSASWNKSEENC SRMGA 142

SEQ ID NO. 4
C-Type Lectin Receptor-Like:
117 391 DLVVINTTEHDFIIHNLKRNSSYFLGLSHPRGRHWQVDHTPYNENVTFWHSGEPNL 570-176
LVVI + EE DFI L +++YF+GL G R WQWVD TPY E++TFWH+GEP++
Mouse C-Type:
143 HLVVIQSQEEQDFITGILDTHAAYFIGL-WDTGHRQWQWVDQTPYEEISITFWHNGEPSSG 201

SEQ ID NO. 4
C-Type Lectin Receptor-Like:
177 574 DERCAIINFRSSQEWGWNIDHCHVPHKSICEMKKI 675-211
+E+CA I +R WGWNDI C + KS+C+MKKI
Mouse C-Type:
202 NEKCATIILYRWKTGWGWNIDISCLKQKSVCCMKKI 236

FIG. 4 (corrected)